

Appl. No. 10/696,793
Examiner: HEWITT, JAMES ., Art Unit 3679
In response to the Office Action dated January 27, 2005

Date: April 27, 2005
Attorney Docket No. 10111393

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): An inflatable product, including:

- a chamber;
- an air pump for inflating the chamber, the air pump having an air intake and an air outlet,

wherein:

- the air intake is connected to the outside of the chamber and the air outlet is connected to the inside of the chamber when the air pump is moved to a first position; and
- the air intake is connected to the inside of the chamber and the air outlet is connected to the outside of the chamber when the air pump is moved to a second position.

Claim 2 (Currently Amended): An inflatable product as claimed in claim 1, wherein the air pump further has a substantially rolling-pin-shaped housing, and a fan and a motor provided in the housing.

Claim 3 (Original): An inflatable product as claimed in claim 2, wherein the substantially rolling-pin-shaped housing has two ends, and the air intake and the air outlet are respectively provided on the ends of the housing.

Claim 4 (Original): An inflatable product as claimed in claim 1, further including a piping system connected between the air intake of the air pump and the outside of the chamber when the air pump is moved to the first position, and connected between the air outlet of the air pump and the outside of the chamber when the air pump is moved to the second position.

Claim 5 (New): An inflatable product comprising:

- a chamber;
- a housing comprising a first opening and a second opening, each opening communicating with the chamber; and

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an air pump comprising an air intake and an air outlet, the air pump mounted in the housing and rotatable between a first position and a second position;

wherein rotation of the air pump to the first position closes the first opening, brings the air intake into communication with the ambient, and brings the air outlet into communication with the second opening, and rotation of the air pump to the second position closes the second opening, brings the air outlet into communication with the ambient, and brings the air intake into communication with the first opening.

Claim 6 (New): An inflatable product recited in claim 5, wherein, on activation of the air pump when in the first position, air is drawn from the ambient to the air intake, and is pumped through the air outlet into the chamber through the second opening.

Claim 7 (New): An inflatable product recited in claim 5, wherein, on activation of the air pump when in the second position, air is drawn from the first opening to the air intake, and is pumped through the air outlet to the ambient.

Claim 8 (New): An inflatable product, comprising:

- a chamber;

- a pump set, comprising:

- at least a housing, comprising at least a first outer vent, a second outer vent, a first inner vent and a second inner vent, wherein the first and second outer vents communicate with the ambient, and the first and second inner vents communicate with the chamber; and

- an air driving means mounted in the housing, wherein, on activation of the air driving means to inflate the chamber, air is drawn from the ambient through the first outer vent, and is pumped through the second inner vent into the chamber, on activation of the air driving means to deflate the chamber, air is drawn from the chamber through the first inner vent, and is pumped through the second outer vent to the ambient.

Claim 9 (New): An inflatable product recited in claim 8, wherein, on activation of the air driving means to inflate the chamber, the second outer vent and the first inner vent are blocked.

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Claim 10 (New): An inflatable product recited in claim 8, wherein, on activation of the air driving means to deflate the chamber, the first outer vent and the second inner vent are blocked.

Claim 11 (New): An inflatable product recited in claim 8, wherein, the first outer vent is situated opposite to the first inner vent, and the second outer vent is situated opposite to the second inner vent.